



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wolrich et al.

Serial No.: 10/780, 330

Examiner: Unknown

Filed: February 17, 2004

Title : MEMORY MAPPING IN A MULTI-ENGINE PROCESSOR

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. Applicant has not provided copies of the US patents in accordance with the waiver posted on the USPTO website.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to deposit account 06-1050, 10559-127002.

Respectfully submitted,

Date: 4/73/01

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 10559-127002

Application No. Unknown

Information Disclosure Statement
by Applicant
(Use several sheets if necessary) (Use several sheets if necessary)

Applicant Wolrich et al. 10/780,330

Group Art Unit

Filing Date 02/17/04

Unknown

U.S. Patent Documents									
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
	AA	6,694,380	02/17/2004	Wolrich et al.					
	AB	6,681,300	01/20/2004	Wolrich et al.					
	AC	6,668,317	12/23/2003	Bernstein et al.					
-	AD	6,667,920	06/09/2003	Wolrich et al.					
	AE	6,661,794	12/09/2003	Wolrich et al.					
•	AF	6,631,462	10/07/2003	Wolrich et al.					
	AG	6,631,430	10/07/2003	Wolrich et al.					
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1	(37 CFR §1.98(b))		02/17/04	Unknown	

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	ABB	6,345,334	02/05/2002	Nakagawa et al.				
	ACC	6,324,624	11/27/01	Wolrich et al.				
	ADD	6,307,789	10/23/2001	Wolrich et al.		,		
•	AEE	6,298,370	10/02/2001	Tang et al.				
	AFF	6,289,011	09/11/2001	Seo et al.				
	AGG	6,279,113	08/21/2001	Vaidya				
	АНН	6,275,505	08/14/2001	O'Loughlin et al.				
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	AJJ	6,256,713	07/03/2001	Audityan et al.				
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	ARR	6,201,807	03/18/2001	Prasanna				
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	ATT	6,195,676	02/27/2001	Spix et al.				
	AUU	6,182,177	01/30/2001	Harriman				
	AVV	6,160,562	12/12/2000	Chin et al.				
	AWW	6,157,955	12/05/2000	Narad et al.				
	AXX	6,145,054	11/07/2000	Mehrotra et al.				
	AYY	6,144,669	11/07/2000	Williams et al.				
-	AZZ	6,141,765	10/31/2000	Sherman				
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	ABBB	6,134,665	10/17/2000	Klein et al.				

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	ACCC	6,112,016	08/29/2000	MacWilliams et al.				
	ADDD	6,092,158	07/18/2000	Harriman et al.				
	AEEE	6,092,127	07/18/2000	Tausheck				
-	AFFF	6,085,294	07/04/2000	Van Doren et al.				
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-	АННН	6,079,008	06/20/2000	Clery, III				
-	AIII	6,073,215	06/06/2000	Snyder				
	AJJJ	6,072,781	06/06/2000	Feeney et al.				
	AKKK	6,070,231	05/30/2000	Ottinger				
	ALLL	6,067,585	05/23/2000	Hoang				
	AMMM	6,058,168	05/02/2000	Braband				
	ANNN	6,023,742	02/08/2000	Ebeling et al.				
	A000	6,014,729	01/11/2000	Lannan et al.				
	APPP	6,012,151	01/04/2000	Mano				
•	AQQQ	5,983,274	11/09/1999	Hyder et al.				
	ARRR	5,978,838	11/02/1999	Mohammed et al.				
	ASSS	5,978,838	11/02/1999	Heinrich et al.				
	ATTT	5,970,013	10/19/1999	Fischer et al.	;			
	AUUU	5,961,628	10/05/1999	Nguyen et al.				
	AVVV	5,958,031	09/28/1999	Kime				
	AWWW	5,948,081	09/07/1999	Foster				
	AXXX	5,946,487	08/31/1999	Dangelo				
	AYYY	5,940,866	08/17/1997	Chisholm et al.				
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	AAAAA	5,937,187	08/21/1995	Kosche et al.				
	ABBBB	5,928,736	08/17/1999	Muller et al.				
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	AEEEE	5,905,876	08/18/1999	Pawlowski et al.				
	AFFFF	5,892,979	04/06/1999	Shiraki et al.				
	AGGGG	5,890,208	03/30/1999	Kwon				
	АНННН	5,887,134	03/23/1999	Ebrahim				
•	AIIII	5,886,992	03/23/1999	Raatikaien et al.				
	AJJJJ	5,860,158	01/12/1999	Pai et al.				
	AKKKK	5,854,922	12/29/1998	Gravenstein et al.				
	ALLLL	5,835,755	11/10/1998	Stellwagen, Jr.				
	AMMMM	5,832,215	11/03/1998`	Kato et al.				
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	A0000	5,828,746	10/27/1998	Ardon				
	APPPP	5,812,868	11/22/1998	Moyer et al.				
	AQQQQ	5,809,530	09/15/1998	Samra et al.				
	ARRRR	5,809,235	09/15/1998	Sharma et al.				
	ASSSS	5,797,043	08/18/1998	Lewis et al.				
	ATTTT	5,796,413	08/18/1998	Shipp et al.				
	AUUUU	5,784,712	07/21/1998	Byers et al.				
	AVVVV	5,784,649	07/21/1998	Begur et al.				
	AWWWW	5,781,774	07/14/1998	Krick				
	AXXXX	5,761,522	06/02/1998	Hisanga et al.				
	AYYYY	5,761,507	06/02/1998	Govett				
	AZZZZ	5,751,987	04/12/1998	Mahant-Shetti et al.				
	AAAAA	5,745,913	04/28/1998	Pattin et al.				
	ABBBBB	5,742,822	04/21/1998	Motomura				
	ACCCCC	5,742,782	04/21/1998	Ito et al.				
	ADDDDD	5,742,587	04/21/1998	Zornig et al.			,	

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U.S. Patent Documents									
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
	AEEEEE	5,721,870	02/24/1998	Matsumoto					
	AFFFFF	5,717,898	02/10/1998	Kagan et al.					
	AGGGGC	5,699,537	12/16/1997	Sharangpani et al.					
•	АНННН	5,689,566	11/18/1997	Nguyen					
	AIIII	5,680,641	10/21/1997	Sidman					
•	AJJJJJ	5,659,687	08/19/1997	Kim et al.					
	AKKKKK	5,649,157	07/15/1997	Williams					
	ALLLLL	5,644,623	07/01/1997	Gutledge					
	АММММІ	5,630,641	05/13/1997	Perotto et al.					
	ANNNN	5,627,829	05/06/1997	Gleeson et al.					
	A00000	5,623,489	04/22/1997	Cotton et al.					
	APPPPP	5,613,136	03/18/1997	Casavant et al.					
•	AQQQQ	5,613,071	03/18/1997	Rankin et al.					
	ARRRR	5,592,622	01/07/1997	Isfeld et al.			_		
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	ATTTTT	5,568,617	10/22/1996	Kametani					
	AUUUUU	5,557,766	09/17/1996	Takiguchi et al.					
•	AVVVV	5,550,816	08/27/1996	Hardwick et al.					
	wwww	5,544,236	08/06/1996	Andruska et al.					
	AXXXXX	5,542,088	07/30/1996	Jennings, Jr. et al.					
	AYYYYY	5,542,070	07/30/1996	LeBlanc et al.					
	AZZZZZ	5,517,648	05/14/1996	Bertone et al.					
	ААААА	5,467,452	11/14/1995	Blum et al.					
·	аввввві	5,463,625	10/31/1995	Yasrebi					
	ACCCCC	5,459,842	10/17/1995	Begun et al.					
	ADDDDD	5,452,437	09/19/1995	Richey et al.					
	AEEEEEF	5,450,351	09/12/1995	Heddes					

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AFFFFF	5,448,702	09/05/1995	Garcia, Jr. et al.			
<u>, , , , , , , , , , , , , , , , , , , </u>	AGGGGG	5,432,918	07/11/1995	Stamm			
	АНННН	5,404,484	04/04/1995	Bennett			
•	AIIIII	5,404,482	04/04/1995	Stamm et al.			
	AJJJJJ	5,392,412	02/21/1995	McKenna			
	AKKKKK	5,392,411	02/21/1995	Ozaki			
	ALLLLLI	5,392,391	02/21/1995	Caulk, Jr. et al.			
	MMMMM	5,390,329	02/14/1995	Gaertner et al.			
	ANNNNN	5,367,678	11/22/1994	Lee et al.			
	400000	5,347,648	09/13/1994	Stamm et al.			
	APPPPP	5,263,169	11/16/1993	Genusov et al.			
	AQQQQQ	5,255,239	10/19/1993	Taborn et al.		-	
	ARRRRRI	5,173,897	12/22/1992	Schrodi et al.			
	ASSSSS	5,173,897	12/22/1992	Pfeiffer et al.			
•	ATTTTT	5,168,555	12/01/1992	Byers et al.			
	AUUUUU	5,155,854	10/13/1992	Flynn et al.			
	AVVVVV	5,155,831	10/13/1992	Emma et al.			
	wwwww	5,142,683	08/25/1992	Burkhardt, Jr. et al.			
	AXXXXX	5,140,685	08/18/1992	Sipple et al.			
	AYYYYY	4,866,664	09/12/1989	Burkhardt, Jr. et al.			
	AZZZZZZ	4,745,544	05/17/1988	Renner et al.			
	AAAAA	4,523,272	06/11/1985	Fukunaga et al.			
·	вввввв	4,514,807	04/30/1985	Nogi			
	CCCCC	4,400,770	08/23/1983	Chan et al.			
	DDDDDI	4,130,890	12/19/1978	Adam			
	AEEEEEE	3,940,745	02/24/1976	Sajeva			
	AFFFFF	3,792,441	02/12/1974	Wymore et al.			

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			U.S. Pate	nt Documents			
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	GGGGGG	3,478,322	11/11/1969	Evans			
	ннннн	3,373,408	03/12/1968	Ling			
	AIIIIII	10/726,757	12/03/2003	Wolrich et al.			
•	AJJJJJJ	10/684,078	10/10/2003	Wolrich et al.			
	ккккк	10/664,202	09/16/2003	Wolrich et al.			
•	ALLLLLL	10/644,337	08/20/2003	Wolrich et al.			
	имммм	10/643,438	08/19/2003	Bernstein et al.			
	NNNNN	10/615,500	07/08/2003	Adiletta			
	000000	10/615,280	07/08/2003	Wolrich et al.		,	
	APPPPPP	10/449,079	05/15/2003	Wolrich et al.			
	QQQQQQ	10/208,264	07/30/2002	Adiletta et al.			,
	ARRRRR	09/476,303	12/30/1999	Wolrich et al.			
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Examiner	Desig.	Document	Publication	Country or			Trans	lation	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
	VVVVV	WO 01/50679	07/12/2001	WIPO					
	wwww	WO 01/50247	07/12/2001	WIPO					
	XXXXX	WO 01/48619	07/05/2001	WIPO					
	YYYYY	WO 01/48606	07/05/2001	WIPO					
	AZZZZZZ	WO 01/48596	07/05/2001	WIPO					
	AAAAA.	WO 01/16782	03/08/2001	WIPO					
	вввввві	WO 01/16770	03/08/2001	WIPO					
	cccccc	WO 01/16769	03/08/2001	WIPO					
	DDDDDD:	WO 01/15718	03/08/2001	WIPO					

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Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
	EEEEEE	WO 97/38372	10/16/1997	WIPO					
	AFFFFFF	WO 94/15287	07/07/1994	WIPO		_			
	GGGGGG	EP 0 809 180	11/26/1997	Europe					
•	ннннн	EP 0 745 933	12/04/1996	Europe					
	AIIIIIII	EP 0 633 678	01/11/1995	Europe					
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	KKKKKK	EP 0 379 709	08/01/1990	Europe					
	LLLLLI	59111533	06/27/1984	Japan					

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	ммммммм	Byrd et al., "Multithread Processor Architectures," <i>IEEE Spectrum</i> , Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.					
•	חחחחחחח	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 nd ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.					
•	0000000	Fillo et al., "The M-Machine Multicomputer," IEEE Proceedings of MICRO-28, 1995, pp. 146-156.					
	APPPPPPPP	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, vol. 40, no. 1, 10 January 1997, pp. 103-117.					
	20000000	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," IEEE Symposium on FPGAs for Custom Computing Machines, 1998.					
	RRRRRRR	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," Proceedings of the 5 th Annual 1EEE Symposium on Field-Programmable Custom Computing Machines, 1997.					
	ASSSSSSS	Hyde, R., "Overview of Memory Management," Byte, vol. 13, no. 4, 1998, pp. 219-225.					
	TTTTTTTT	Litch et al., "StrongARMing Portable Communications," IEEE Micro, 1998, pp. 48-55.					
	טטטטטטטט	Schmidt et al., "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems," Internet Document, Online!, 13 November 1998.					
	vvvvvvv	Thistle et al., "A Processor Architecture for Horizon," IEEE, 1998, pp. 35-41.					
,	wwwwww	Tremblay et al., "A Three Dimensional Register File for Superscalar Processors," IEEE Proceedings of the 28 th Annual Hawaii International Conference on System Sciences, 1995, pp. 191-201.					
	xxxxxxx	Trimberger et al, "A time-multiplexed FPGA," Proceedings of the 5 th Annual IEEE Symposium on Field-Programmable Custom Computing Machines," 1998.					
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Substitute Disclosure Form (PTO-1449)

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Other Documents (include Author, Title, Date, and Place of Publication)			
Examine r Initial	Desig. ID	Document	
	ZZZZZZZZZ	Vibhatavanijt et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359.	
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